



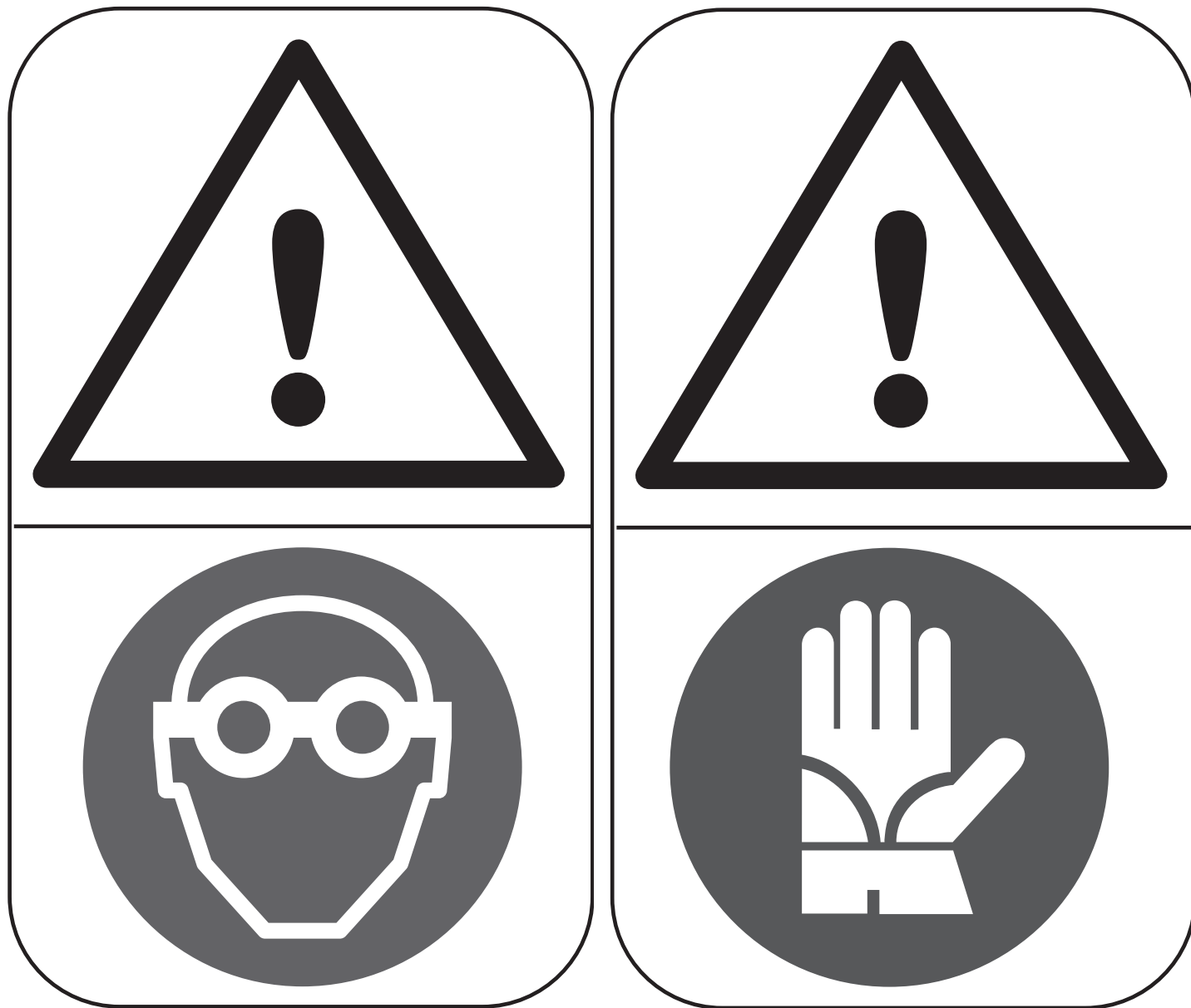
TECHNICAL MANUAL - 3

WHEELS

**REPLACEMENT OF THE SPOKE WITH MOMAG SYSTEM
OPEN SPOKE SEAT ON THE HUB**

WARNING!

Always wear protective gloves and glasses while working on the bicycle.



THIS TECHNICAL MANUAL IS INTENDED FOR USE BY PROFESSIONAL MECHANICS.

Anyone who is not a qualified professional for bicycle assembly must not attempt to install and operate on the components independently due to the risk of carrying out incorrect operations which could cause the components to malfunction, resulting in accidents, physical injury or even death.

The actual product may differ from what is illustrated, as the specific purpose of these instructions is to explain the procedures for using the component.

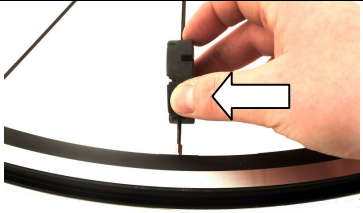
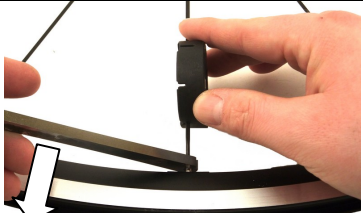
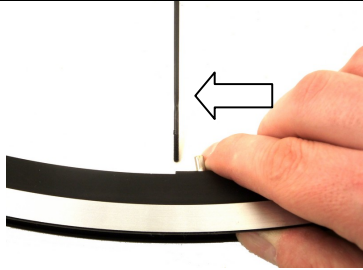
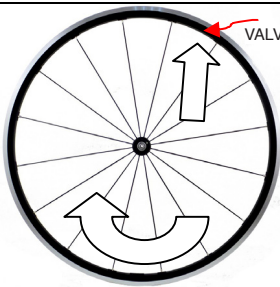
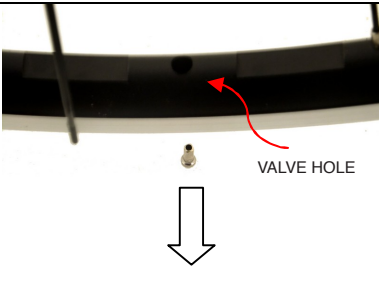


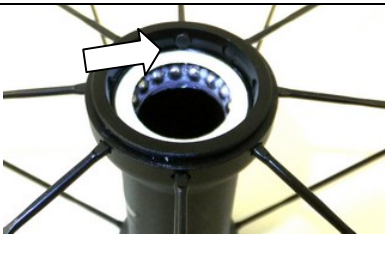

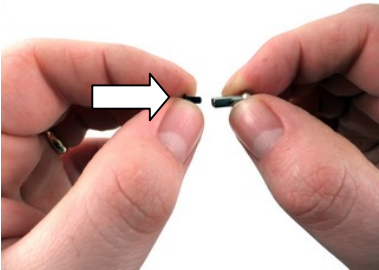
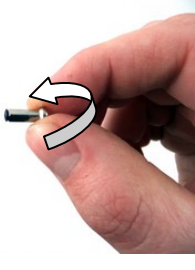
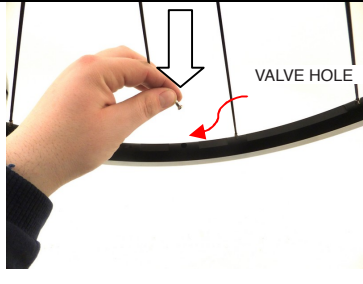


TECHNICAL MANUAL - 3

PROCEDURE	REVISION	DESCRIPTION
3	01/10/ 2024	REPLACEMENT OF THE SPOKE WITH MOMAG SYSTEM - OPEN SPOKE SEAT ON THE HUB

PRODUCTS ON WHICH THE PROCEDURE SHOULD BE APPLIED

Refer to the "Table of Technical Manuals for Wheels", available at www.campagnolo.com / section "Technical Documentation - Technical Manuals".

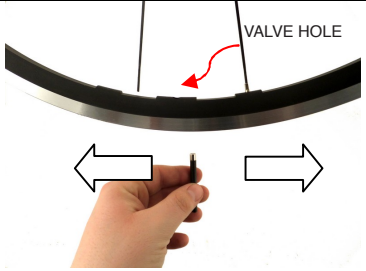
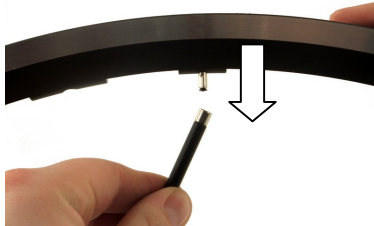
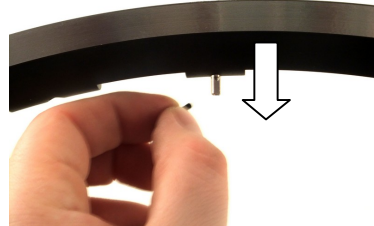
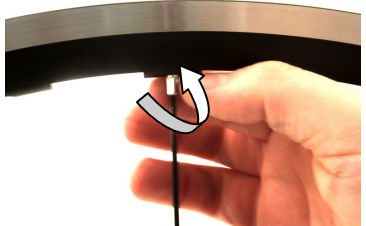
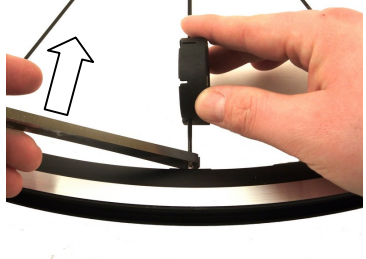
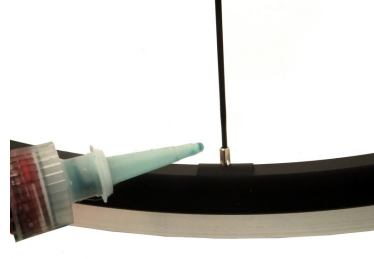
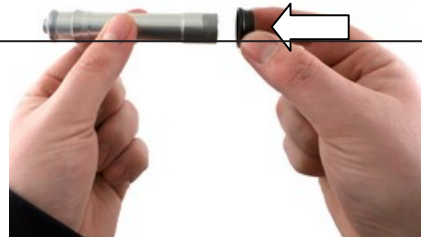

		
<p>1</p> <p>To disassemble the hub: Technical Manual 2 (from 1 to 17). Insert the spoke retainer ring UT-WH010 on the flat part of the spoke.</p>	<p>2</p> <p>Using the nipple driver to loosen the nipple counter-clockwise.</p>	<p>3</p> <p>Remove the spoke from the nipple.</p>
		
<p>4</p> <p>Turn the wheel and let the nipple fall out from the valve hole.</p>	<p>5</p> <p>Remove the nipple.</p>	<p>6</p> <p>Remove the spoke from hole on the body of the hub.</p>
		
<p>7</p> <p>Insert the new spoke in the hole on the body of the hub.</p>	<p>8</p> <p>Make sure the head of the spoke engages into place.</p>	<p>9</p> <p>Make sure the nipple is undamaged. If it is damaged, replace it.</p>
		
<p>10</p> <p>Screw the magnet-attracting insert on the nipple.</p>	<p>11</p> <p>Tighten the insert fully home on the nipple to prevent it from loosening when moving inside the rim.</p>	<p>12</p> <p>Insert the nipple with the insert inside the rim via the valve hole.</p>

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<p>13</p> <p>With the special magnet drag the nipple inside the rim until it reaches the hole of the spoke that needs to be replaced.</p>	<p>14</p> <p>Using the magnet pull the nipple through the eyelet of the rim.</p>	<p>15</p> <p>Loosen the magnet-attracting insert from the nipple. Make sure the nipple does not fall inside the rim.</p>
		
<p>16</p> <p>Screw the nipple on the spoke manually.</p>	<p>17</p> <p>Screw the nipple with the nipple driver and the spoke retainer. Carry out about 6/7 full turns to reach the desired tension.</p>	<p>18</p> <p>After tensioning, Drip a drop of thread locker between the nipple and the spoke.</p>
		
<p>19</p> <p>To assembly the hub Technical Manual 2 (from 64 to 83).</p>	<p>20</p> <p>To adjust the hub see Technical Manual 1</p>	